



(19)

(11) Publication number: **6**

Generated Document.

## PATENT ABSTRACTS OF JAPAN

(21) Application number: **60098018**(51) Intl. Cl.: **B01D 13/00 A61M 1/16 B01**(22) Application date: **10.05.85**

<p>(30) Priority:</p> <p>(43) Date of application publication: <b>14.11.86</b></p> <p>(84) Designated contracting states:</p>	<p>(71) Applicant: <b>TERUMO CORP</b></p> <p>(72) Inventor: <b>KASAI MASAOKI KOYAMA NORIYUKI</b></p> <p>(74) Representative:</p>
---	--

### (54) **HYDROPHILIC POROUS MEMBRANE AND ITS PREPARATION**

(57) Abstract:

**PURPOSE:** To obtain porous membrane having elevated water permeability while maintaining high strength, chemical resistance and heat resistance by using a mixture of a hydrophilic water-insoluble polymer with a hydrophobic polymer having common solvent with the hydrophilic polymer.

**CONSTITUTION:** A mixture of a hydrophobic polymer with a hydrophilic water-insoluble polymer is used as a material for prepg. the porous membrane. The proportion of the hydrophilic polymer to be mixed with the hydrophobic polymer is 10W50wt% basing on the amt. of the hydrophobic polymer. It is necessary that the hydrophilic polymer and the hydrophobic polymer have a common solvent. Both polymers are dissolved in the common solvent. Preferred

concn. is 15W25wt%. Further, the solvent consists preferably of a quick drying solvent and slow drying solvent in 50:50W95:5 weight ratio. The solution is casted and casted film is allowed to contact with a nonsolvent for the hydrophobic polymer to cause coagulation. Thus, hydrophilic porous membrane is obtd.

COPYRIGHT: (C)1986,JPO&Japio